Light efficiency:

84 Lumen/Watt

Light quality:

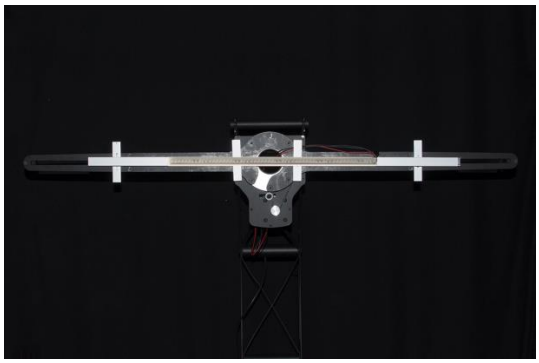
CRI: 92,8

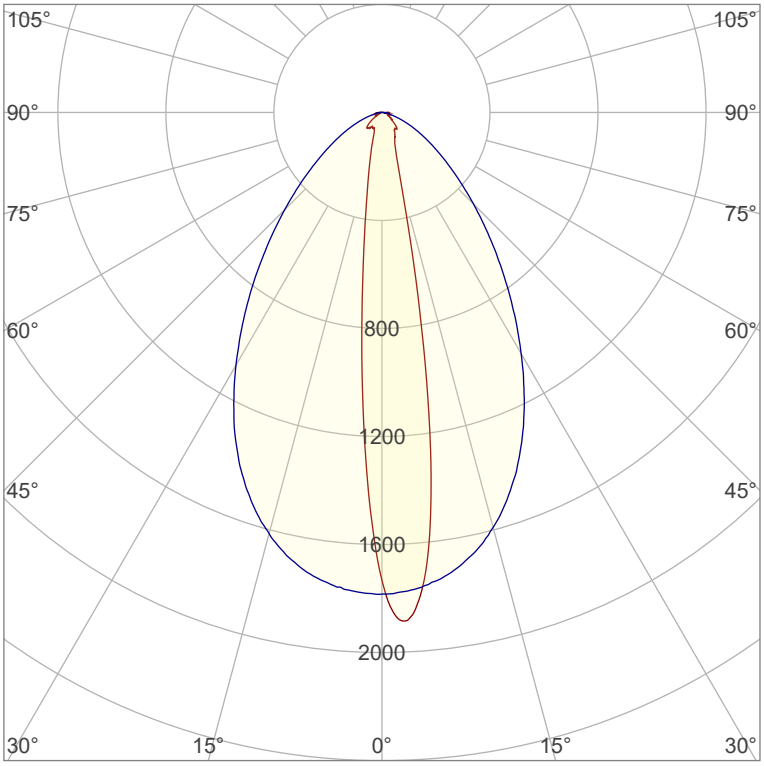
Color temperature:

2700 K

Output: 963 lm
Peak: 1887 cd

Power: 11,5 W
PF: 1,0





Product name:
Jago-2_510mm_927_Inlay-Lens-Wallwasher

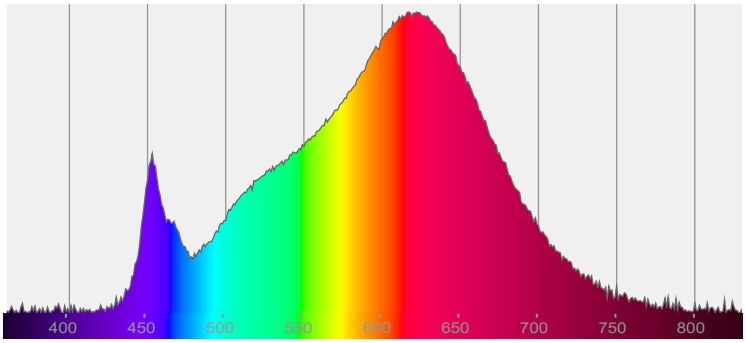
Item number:
NP/L1C/19B/0510/927/ILWW

Date and time:
26.06.2025 09:40:36

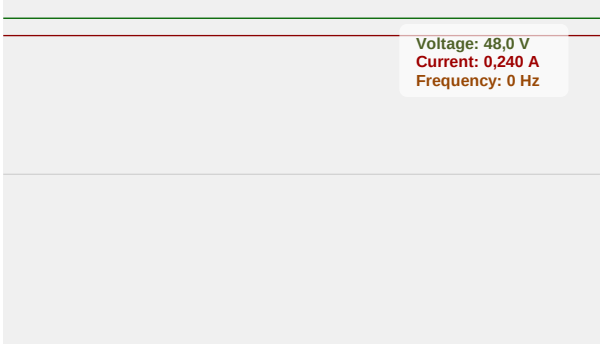
Description:
Einschub unten
Tolerances:
Lumen +/-4%
Candela +/-2,5%
Colour Temp +/-35 Kelvin
CRI +/-0,7
Angular Resolution: 1 Degree Step
Last Calibration 07.10.2025
Tester: Peter Ulrich
Test Site: Lichtlabor
Gaustrasse 13
55411 Bingen am Rhein

CIE 1931
x: 0,460
y: 0,411

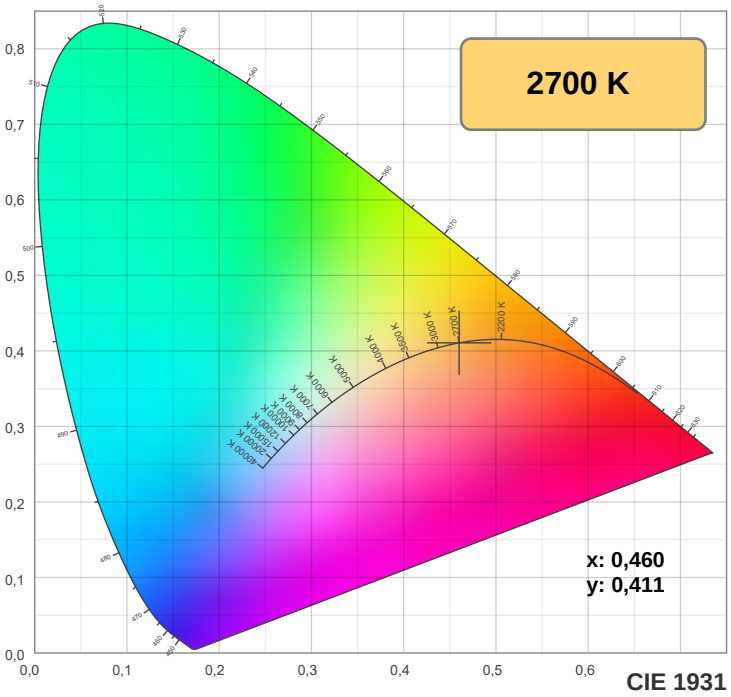
Spectra



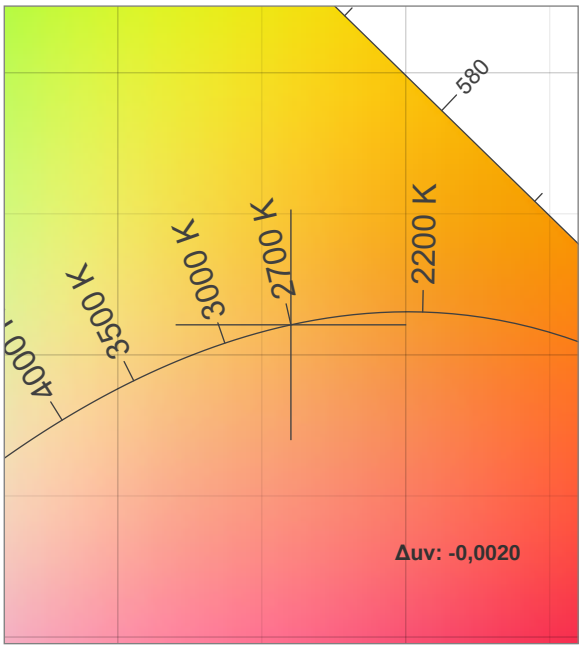
Power



Color details

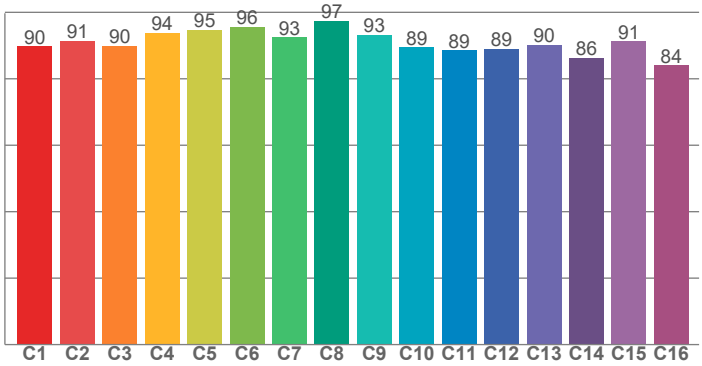


CIE 1931

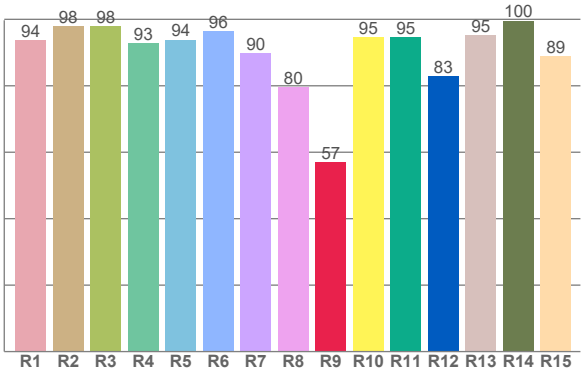


CIE 1931 ZOOM

TM30: 91,0



CRI: 92,8 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	98,0	97,8	92,9	93,8	96,4	89,7	79,6	57,0	94,6	94,5	83,0	95,3	99,6	88,9

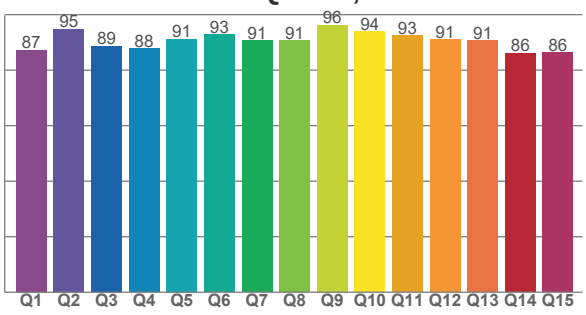
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,8	91,5	89,8	93,8	94,8	95,6	92,5	97,5	93,3	89,5	88,6	89,0	90,1	86,3	91,2	84,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,3	94,7	88,7	87,8	91,2	92,8	90,6	90,7	96,2	94,0	92,5	91,1	90,6	86,1	86,3

CQS: 90,1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2700 K	92,8	57,0	91,0	99,2	90,1	0,460	0,411	0,263	0,352	-0,0020

TM30 details

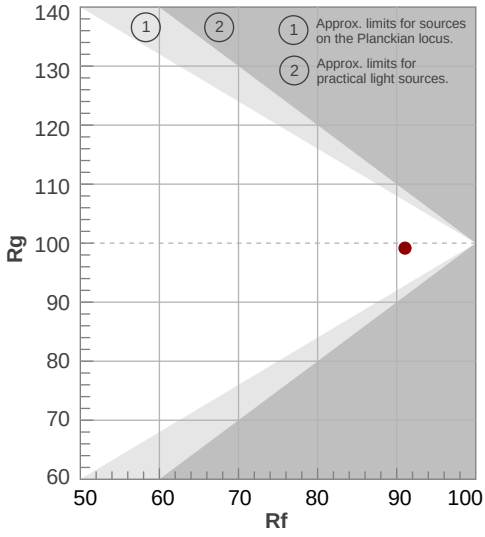
Rf 91,0

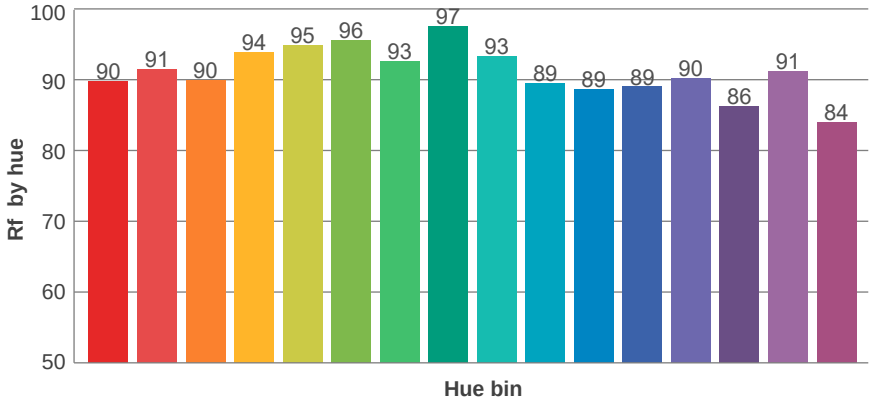
Fidelity index Rf

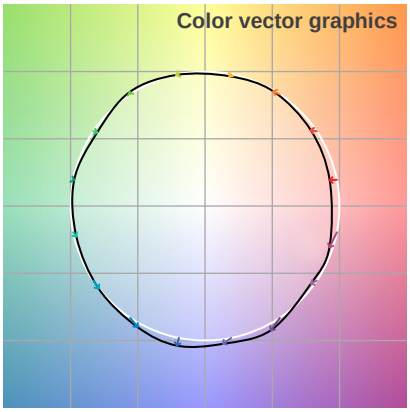
Rg 99,2

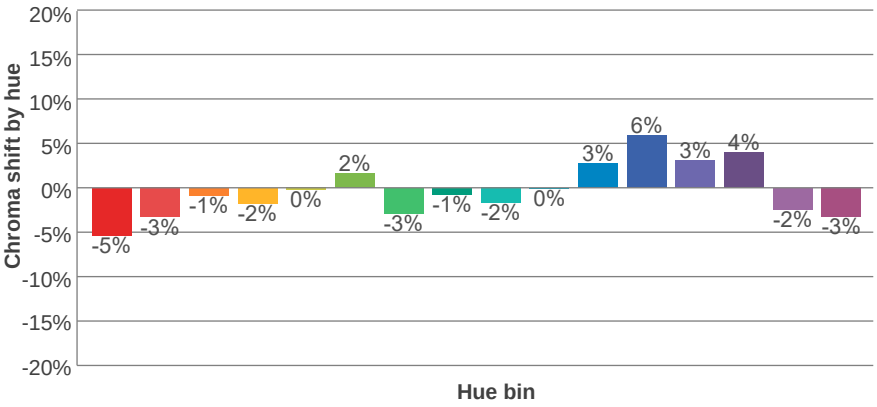
Gammut index Rg

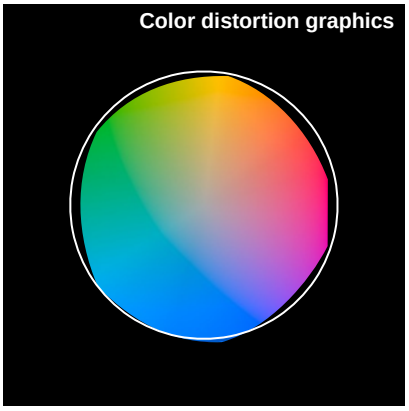
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	90	-5%	1%
2	91	-3%	3%
3	90	-1%	5%
4	94	-2%	1%
5	95	0%	2%
6	96	2%	0%
7	93	-3%	-1%
8	97	-1%	0%
9	93	-2%	3%
10	89	0%	7%
11	89	3%	8%
12	89	6%	0%
13	90	3%	-7%
14	86	4%	-11%
15	91	-2%	-4%
16	84	-3%	-12%

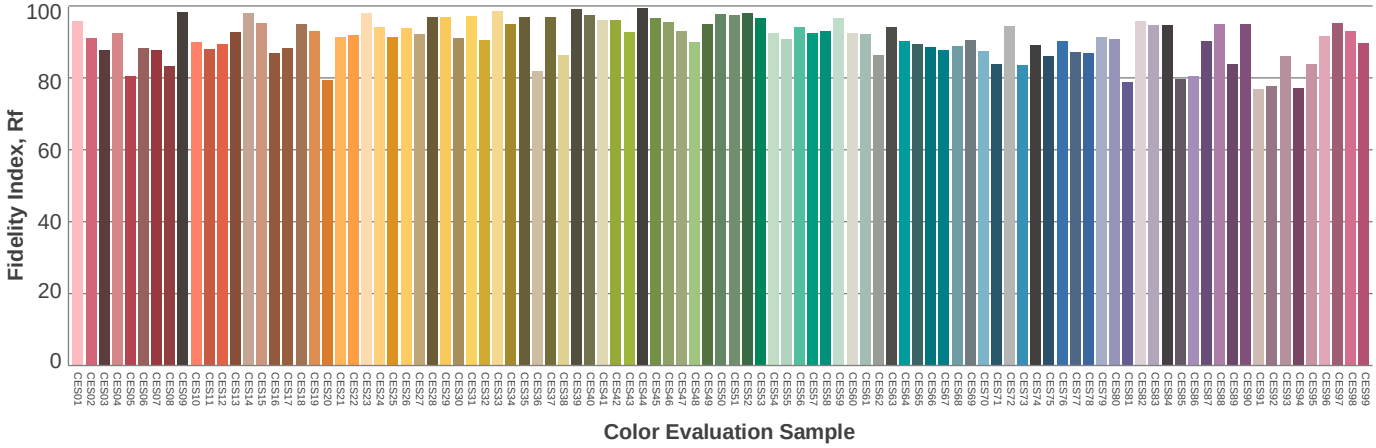




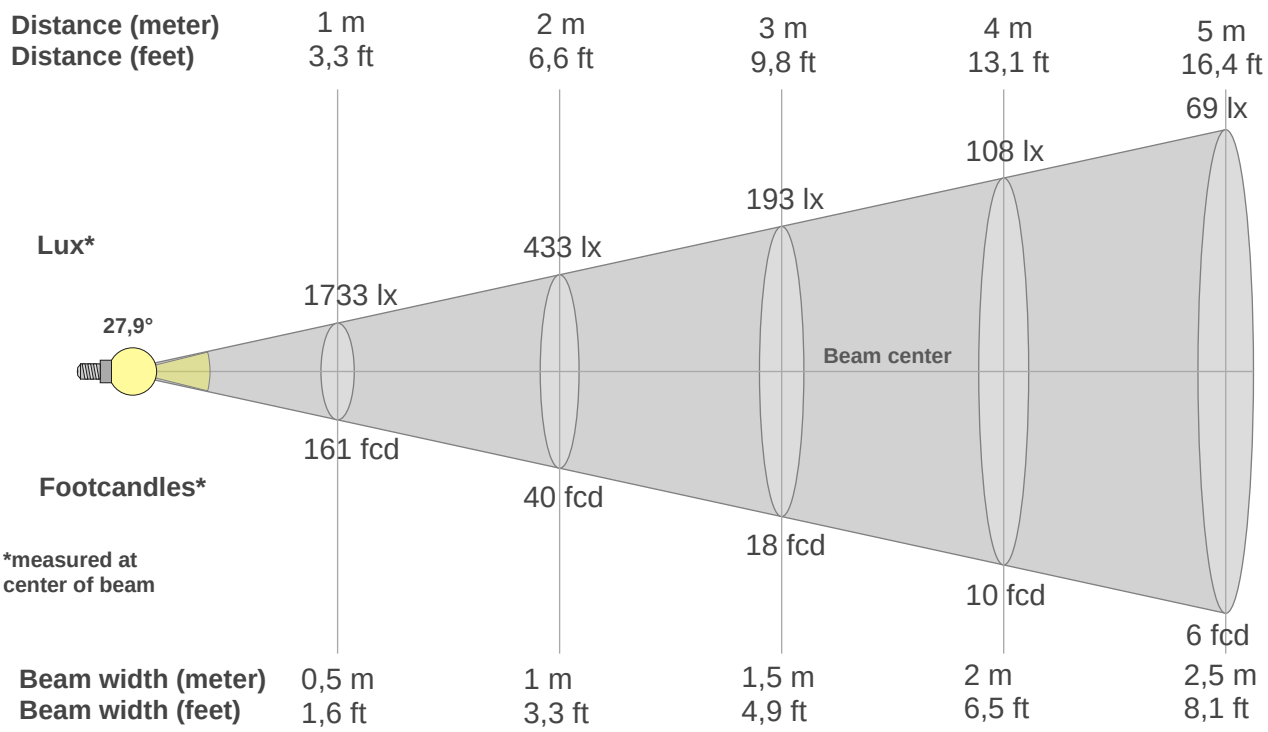








Beam details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
1733lx	433lx	193lx	108lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
161fcd	40,2fcd	17,9fcd	10,1fcd	6,4fcd	4,5fcd	3,3fcd	2,5fcd	2fcd	1,6fcd	1,3fcd	1,1fcd	1fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1733	1880	1833	1637	1301	897	555	340	235	179	150	129	117	108	103	95	90	83	78	77
100%	108%	106%	94%	75%	52%	32%	20%	14%	10%	9%	7%	7%	6%	6%	5%	5%	5%	5%	4%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1733	1778	1769	1750	1730	1700	1663	1617	1564	1504	1437	1363	1285	1203	1117	1031	947	863	784	709
100%	103%	102%	101%	100%	98%	96%	93%	90%	87%	83%	79%	74%	69%	64%	59%	55%	50%	45%	41%

Intensities in 180° c-plane

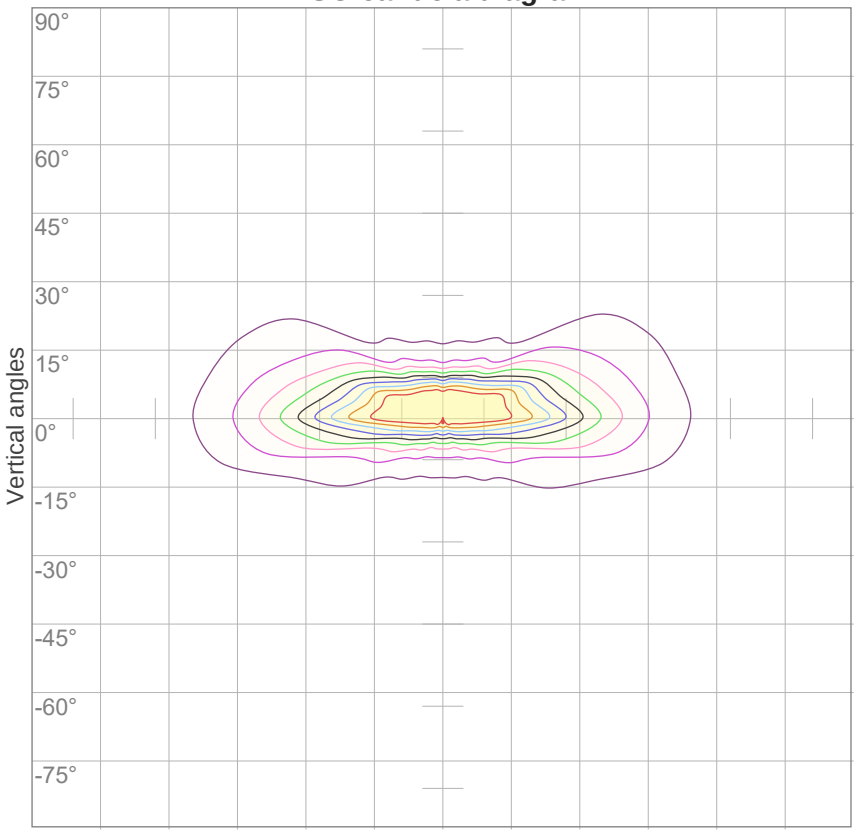
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1733	1411	1032	699	467	324	239	182	143	111	88	75	69	67	66	67	66	64	67	74
100%	81%	60%	40%	27%	19%	14%	10%	8%	6%	5%	4%	4%	4%	4%	4%	4%	4%	4%	4%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1733	1781	1773	1759	1740	1714	1681	1639	1590	1535	1474	1407	1331	1250	1166	1081	996	912	831	751
100%	103%	102%	102%	100%	99%	97%	95%	92%	89%	85%	81%	77%	72%	67%	62%	57%	53%	48%	43%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,9°	**60,8°**	**121,9°**	**89,4%**	**74,7%**

ISO candela diagram



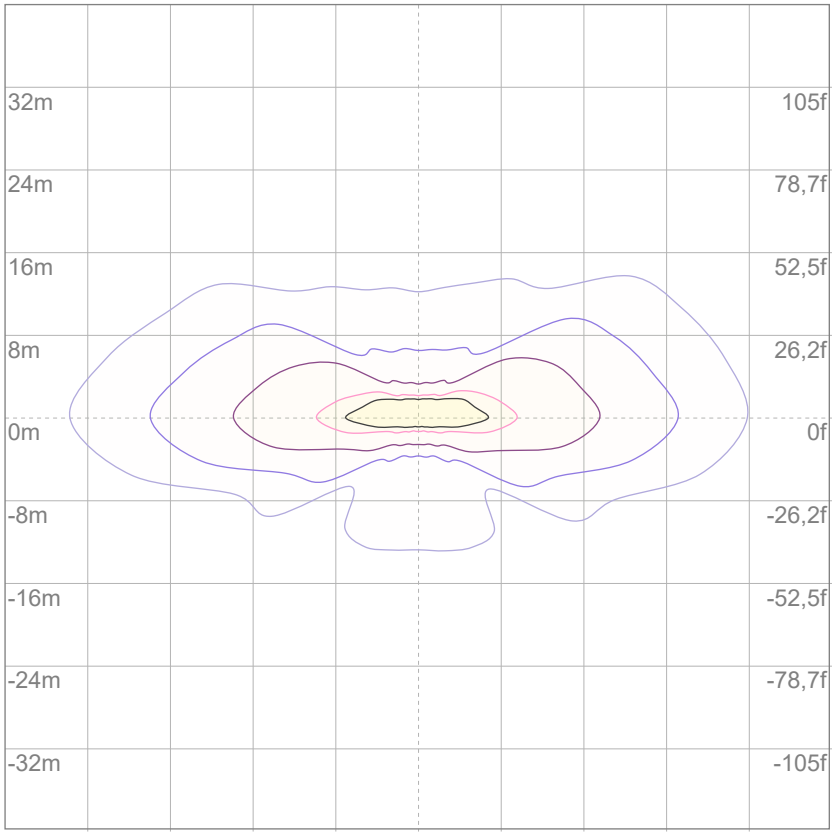
10%	173 cd
20%	347 cd
30%	520 cd
40%	693 cd
50%	866 cd
60%	1040 cd
70%	1213 cd
80%	1386 cd
90%	1560 cd

Conditions:

Number of c-planes: 16

Candela at center: 1733 cd

ISO lux diagram



Mounting height: 10 meters (33 feet)

3%	0,520 lx
5%	0,866 lx
10%	1,73 lx
30%	5,20 lx
50%	8,66 lx

Conditions:

Number of c-planes: 16

Lux at center: 17,3 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Glare Evaluation According to UGR

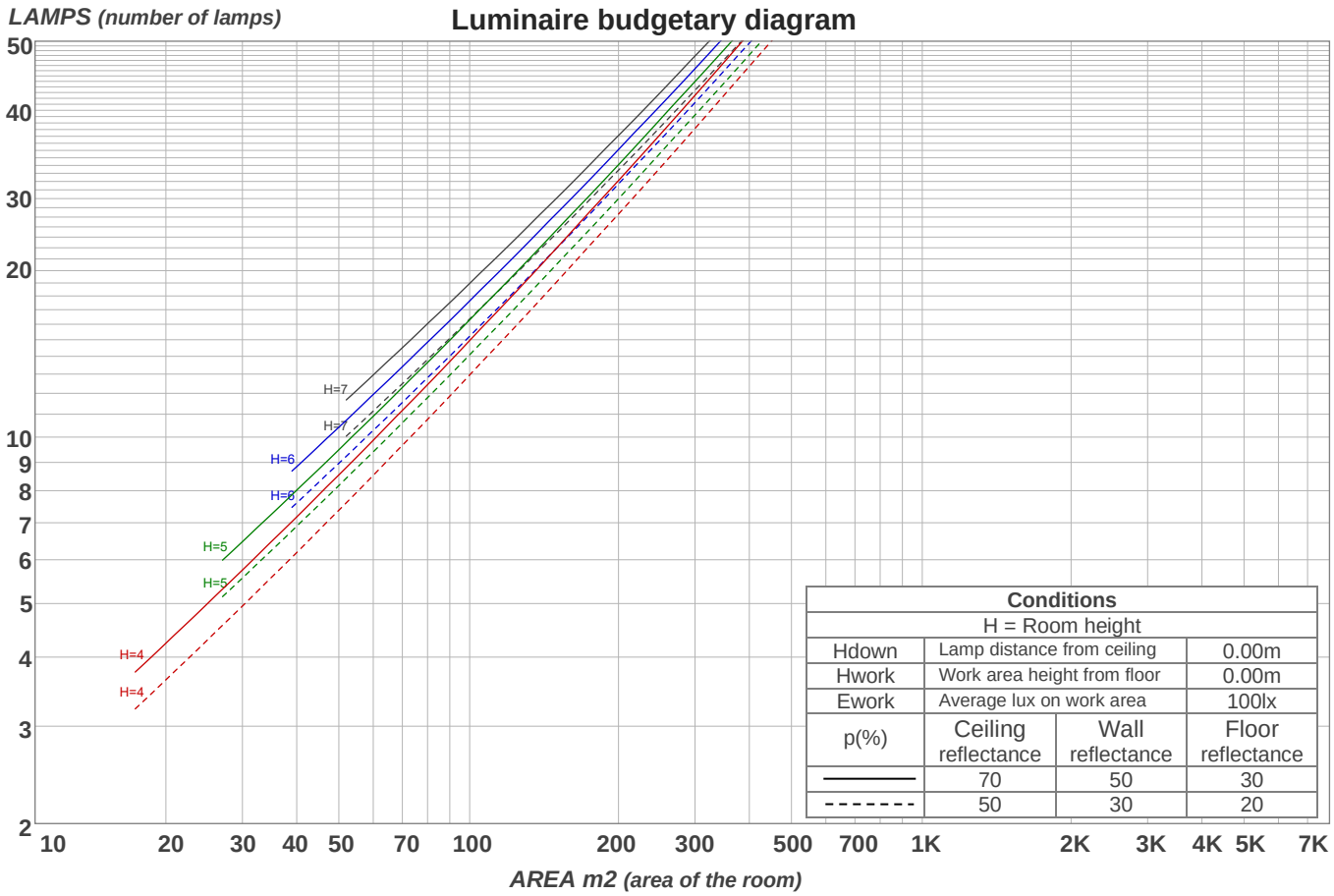
p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p Floor	20	20	20	20	20	20	20	20	20	20
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
Standard table	n/a					n/a				
Correction summand	n/a					n/a				
Corrected glare indices referring to 963 lm total luminous flux										

UGR data could not be calculated due to missing/wrong symmetry. Go to Edit -> Photometric -> Corrections and select Correct asymmetry (UGR not defined for asymmetrical distributions)..

Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio)				Room Values are expressed as percentage of Lumens delivered to the task surface													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51
8	73	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	48
9	69	58	51	47	68	57	51	47	56	51	46	56	50	46	55	50	46	45
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42

Luminaire budgetary diagram

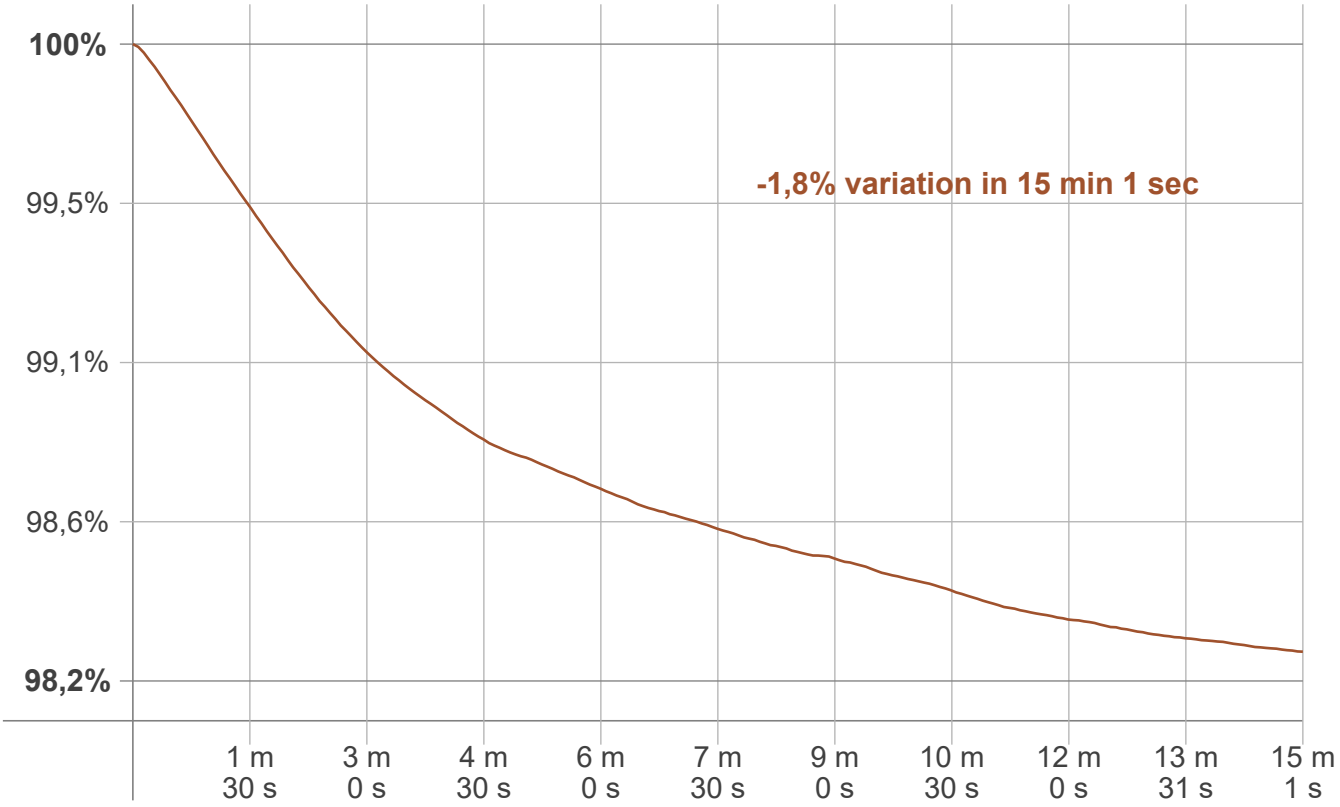


Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
129 lm	200 lm	176 lm	149 lm	121 lm	84,4 lm	49,8 lm	30,3 lm	21,9 lm

90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0,047 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm	0,000 lm

Warmup curve



Warmup result

Warmup time:	**Lamp stabilized in 15 min 1 sec**
Warmup variation	**-1,8%**

Warmup conditions

Stable period:	**15 min**
Stable change max:	**2,0%**
Minimum time:	**15 min**

Color temperature change

CCT start	CCT change	CCT end
2703 K	-3 K	2700 K

Output change

Output start	Output change	Output end
980 lm	-17 lm	963 lm